

Vidya Bhawan Balika Vidyapeeth, Lakhisarai

Class-8th, Subject: Social Science, 20-09-2021

Geography L3-Ingredients of Modern Industry

1. List out the different ways in which solar energy is used in India.

Solar energy can be used for cooking, heating, lighting of streets and homes, drying of crops and generating electricity.

2. Minerals are very important to us. Why?

Minerals are the backbone of industrial development.

They are necessary for all types of tools, machines, farm implements, defence equipment, automobiles, railway engines, ships and drilling machines.

They are used for the construction work.

To maintain the health of people

Manufacturing of coins, jewelry and utensils

Minerals are non-renewable – exhaustible

It takes millions of years to form.

These minerals are un-evenly distributed on the earth

So, these properties of minerals make them most important to us.

There is a need for the development of non-conventional sources of energy. Give reasons.

The increasing use of fossil fuels is leading to its shortage. It is estimated that if the present rate of consumption continues, the reserves of this fuel will get exhausted.

Moreover, their use also causes environmental pollution which leads to global warming.

Therefore, there is need for using non-conventional sources of energy such as solar energy, wind energy, tidal energy, geo-thermal energy, bio-gas etc., which are renewable and eco-friendly.

3. Mention four different ways of conserving power resources.

Different ways of conserving power resources are;

We can make use of energy-efficient equipments.

Looking for alternative source of energy.

Use of public transportation system instead of private vehicles

Switching off electricity when not required.

4. State the advantages and disadvantages of oil.

Advantages	Disadvantages
Easy to transport (pipelines and tankers)	Oil spill can result in pollution and affects aquatic life.
No wastage- can be used to the last drop	Pollutants release can result in acid rain.
Provides fuel for lighting, vehicles, machines, industries etc.	Exploration is expensive. Non-renewable.

5. What are the different ways in which nuclear energy is used in India?

There are six nuclear power stations in India, namely Kota, Narora, Kalpakkam, Kaiga, Kakrapara and Tarapur.

India is a peace-loving country. So use of nuclear energy is banned in India.

Conservation of fuels is the need of the hour. Why do you think not much stress is given to the saving of fuels today?

Fuels like coal, petroleum and natural gases are non-renewable and exhaustible. Its formation takes long time. Moreover these minerals are unevenly distributed on the earth.

The increasing use of fossil fuels is leading to its shortage. It is estimated that if the present rate of consumption continues, the reserves of this fuel will get exhausted.

Fuel is required in every section of our economy. We should not waste this. Fuel can be saved by using fuel efficient equipment, alternative sources of fuel. Every unit of fuel is very important. Hence, conservation of fuel is the need of the hour.

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